

Instructions for swapping out the A20-csnk-ps 3u control chassis

- 1) The A20-csnk-ps is in the A18 house.
- 2) You must be in contact with Don Bruno before using this procedure
- 3) Go to 7W and find a 3u control chassis that is a spare for a snake p.s. There will be a tag on it saying "SPARE 3u control chassis for RHIC snakes or AGS Cold Snake" I think it is in Rack Shelves #1
- 4) When you get it to the A18 house have MCR armp all of the AGS cold snake p.s.'s to zero current.
- 5) Have MCR put the A20-csnk-ps into the STANDBY and then OFF state
- 6) Have MCR put the A20-csnk-t2-ps into the STANDBY and then OFF state
- 7) The ac disconnect for the A20-csnk-ps is labeled A20-csnk-ps and is 480V and is behind the ps racks. Use the appropriate PPE from the temporary procedure for throwing this 480V switch. You can turn off this switch and lock it out now.
- 8) The ac disconnect for the A20-csnk-t2-ps is labeled A20-csnk-t2-ps and is 208V and is behind the ps racks. Use the appropriate PPE from the temporary procedure for throwing this 208V switch. You can turn off this switch and lock it out now.
- 9) You will be swapping out the 3u control chassis for the A20-csnk-ps in rack 2. It should have a tag on it saying "This is the 3u control chassis for A20-csnk-ps"
- 10) When you open up the rear door you will see an ac compartment at the very top. This has a Circuit breaker on the rear which is fed from the 480V disconnect on the wall. You should turn off this 480V circuit breaker with the appropriate PPE.
- 11) The 480V strips are on the left hand side and covered on the ac compartment. To verify the 480V is off you have to get your probes under the covers. Use appropriate PPE.
- 12) The 208V that comes into this rack goes into the small red ps at the bottom. This is the same as a corrector ps we use in RHIC. The 208Vac is covered. To verify you have to get your probes under the cover. Use appropriate PPE.
- 13) Now that the 480V and 208V is locked out you can swap out the 3u control chassis. Please check all D connectors for tightness first. Please let me know if any are loose. I am really interested in the 25 pin D connectors.
- 14) After checking the D connectors you can swap out the 3u control chassis.
- 15) When done make sure all the D connectors are tight.
- 16) Turn on the 480V breaker on the back of the ac compartment.
- 17) Bolt the back door. Watch no cables get caught in the door.
- 18) Unlock and turn on the disconnects on the wall.
- 19) Hand back over to MCR.